



THE GLENN T. SEABORG CENTER
SCIENCE AND EDUCATION FOR HEAVY ELEMENTS AND THE ENVIRONMENT



Special GTSC Seminar

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Structural Studies of the Interaction Between Radionuclides and Solids Minerals

Thursday, February 21, 2002
10AM-11:30AM
Bldg. 70A- Room 3377

Hosts: Heino Nitsche

ABSTRACT

To determine the radionuclides sorption constants, both thermodynamic and structural investigations, using spectroscopic techniques, are required. Natural clays, used as engineered barriers, are rather complex minerals. Therefore, it is necessary first to first perform these studies on simple substrates such as single crystals, oxides and silicates, and then extrapolate the obtained results to the natural minerals.